

ABSTRACT

"Method of searching for an object within a space, method and system of vectorial cartography incorporating this search technique, electronic apparatus
5 employing this method of vectorial cartography, and a medium for vectorial cartography data obtained by the said method"

A method of retrieving an object contained in a domain δ within a space Δ
10 containing a set of objects described in an initial matrix M , comprising construction of a subset ω of objects contained in the said domain δ by extracting a matrix μ from the initial matrix M . A matrixing M of the space Δ is created by superimposing a large number of geometric matrices with different specifications ρ , each one of the meshes of each geometric matrix being identified by a unique
15 and specific numerical value called a matrix code.

The matrix M is sorted by matrix codes according to a predetermined order, with specifications ρ . Then the extraction matrix μ is constructed, describing only the objects affected by the said meshes included in domain δ or intersected by domain δ .

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See Fig. 1

Application in systems for vectorial cartography.

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